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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:

10/735,312

Confirmation No.: 5062

Applicant:

Moriarty, et al.

Filed:

December 12, 2003

TC/A.U.

3672

Examiner:

William P Neuder

Docket No.:

19.0353 US

Customer No.:

Title:

Directional Casing Drilling

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

Listing of the Claire 1.

Listing of the Claims begin on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.